

Appln. Serial No. 10/799,963
Reply to Office Action Mailed July 26, 2007

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CURRENT LISTING OF THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (Original) A method for use in a wireless communications network, comprising:
2 communicating data with plural mobile stations over a wireless link; and
3 sending a broadcast message to the plural mobile stations, the broadcast message
4 containing an indication for indicating to the plural mobile stations that the mobile stations are to
5 change data rates for transmissions over a reverse wireless link.

1 2. (Original) The method of claim 1, wherein sending the broadcast message
2 comprises sending a grant message on a channel that is monitored by the plural mobile stations.

1 3. (Original) The method of claim 2, wherein sending the grant message on the
2 channel comprises sending the grant message on a forward grant channel according to code-
3 division multiple access (CDMA) 2000.

1 4. (Original) The method of claim 2, wherein sending the grant message comprises
2 sending a grant message containing an identifier, the identifier settable to a first value to
3 uniquely identify one of the plural mobile stations, and the identifier settable to a predetermined
4 value to provide a broadcast indication for indicating to the plural mobile stations that the mobile
5 stations are to change data rates for transmissions over the reverse wireless link.

1 5. (Original) The method of claim 4, wherein the identifier comprises a medium
2 access control (MAC) identifier (MAC ID), the method further comprising:
3 setting the MAC ID of the grant message to the first value to target a first one of
4 the plural mobile stations; and
5 setting the MAC ID of the grant message to the predetermined value to provide
6 the broadcast indication to the plural mobile stations.

1 6. (Original) The method of claim 5, wherein setting the MAC ID to the
2 predetermined value comprises setting the MAC ID to a binary value 00000000.

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1 7. (Original) The method of claim 2, wherein sending the grant message comprises
2 sending a grant message containing a data rate assignment field and an identifier field, wherein
3 the data rate assignment field contains an assigned data rate for a mobile station identified by the
4 identifier field.

1 8. (Original) The method of claim 7, wherein the channel is a shared channel
2 monitored by each of the plural mobile stations, the method further comprising setting a value of
3 the identifier to uniquely identify one of the mobile stations such that the one mobile station is
4 able to receive an assigned data rate in the data rate assignment field.

1 9. (Original) The method of claim 8, further comprising setting the identifier field to
2 a predetermined value to provide a broadcast indication for indicating to the plural mobile
3 stations that the mobile stations are to change data rates for transmissions over the reverse
4 wireless link.

1 10. (Original) The method of claim 1, wherein sending the broadcast message to the
2 plural mobile stations comprises sending the broadcast message to cause the plural mobile
3 stations to set respective data rates to a value less than or equal to an autonomous data rate of the
4 corresponding mobile station.

1 11. (Original) The method of claim 10, further comprising a mobile station
2 transmitting data on a reverse wireless link in autonomous mode in response to receiving the
3 broadcast message, wherein transmitting in autonomous mode comprises transmitting the data at
4 a rate that is less than or equal to the autonomous data rate.

1 12. (Original) The method of claim 1, wherein sending the broadcast message to the
2 plural mobile stations comprises sending a broadcast message containing an indication for
3 indicating to the plural mobile stations that the mobile stations are to change data rates for
4 transmissions of packet data over respective reverse packet data channels.

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1 19. (Original) The article of claim 13, wherein sending the broadcast message
2 containing the broadcast indication is for incrementing or decrementing data rates of the plural
3 mobile stations for transmissions of packet data over respective reverse channels.

1 20. (Original) A mobile station comprising:
2 an interface to receive messages from a base station, the messages comprising a
3 broadcast message targeted to plural mobile stations; and
4 a controller to change a data rate of transmission over a reverse wireless link in
5 response to the broadcast message.

1 21. (Original) The mobile station of claim 20, wherein the broadcast message
2 indicates that the mobile station is to transmit at a data rate that is less than or equal to an
3 autonomous data rate,
4 wherein the controller is adapted to transmit autonomously over the reverse
5 wireless link without scheduling from the base station, the controller to transmit at a data rate
6 that is less than or equal to the autonomous data rate.

1 22. (Original) The mobile station of claim 21, wherein the interface is adapted to
2 receive another message from the base station that sets the autonomous data rate.

1 23. (Original) The mobile station of claim 20, wherein the controller is adapted to
2 change the data rate of transmission over a reverse packet data channel.

1 24. (Original) The mobile station of claim 23, wherein the reverse packet data
2 channel is a code-division multiple access (CDMA) 2000 reverse packet data channel (R-
3 PDCH).

1 25. (Original) The mobile station of claim 20, wherein the interface is adapted to
2 receive the broadcast message on a forward grant channel, the forward grant channel being a
3 shared channel for monitoring by plural mobile stations.

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1 13. (Previously Presented) An article comprising at least one storage medium
2 containing instructions that when executed cause a system in a wireless communications network
3 to:
4 communicate data with plural mobile stations over a wireless link; and
5 send a broadcast message to the plural mobile stations, the broadcast message
6 containing an identifier,
7 the identifier set to a first value to uniquely identify one of the plural mobile
8 stations, and the identifier set to a predetermined value to provide a broadcast indication for
9 indicating to the plural mobile stations that the mobile stations are to change data rates for
10 transmissions over a reverse wireless link.

1 14. (Original) The article of claim 13, wherein sending the broadcast message
2 comprises sending a layer 2 message.

1 15. (Original) The article of claim 14, wherein sending the broadcast message
2 comprises sending a grant message on a forward grant channel (F-GCH) in a code-division
3 multiple access (CDMA) 2000 wireless communications network.

1 16. (Previously Presented) The article of claim 13, wherein sending the broadcast
2 message comprises sending a grant message containing the identifier that is settable to the first
3 value and predetermined value.

1 17. (Original) The article of claim 13, wherein sending the broadcast message
2 containing the broadcast indication is for indicating to the plural mobile stations that the mobile
3 stations are to change data rates for transmissions of packet data over respective reverse
4 channels.

1 18. (Original) The article of claim 13, wherein sending the broadcast message
2 containing the broadcast indication is for assigning a data rate to each of the plural mobile
3 stations, the data rate relating to transmissions of packet data over respective reverse channels.